

Table 1. Demographic characteristics of the study population	
Age (years)	65.2 (SD 8.5)
Gender	
Male	52.1%
Female	47.9%
Education (years)	12.5 (SD 2.1)
Marital status	
Married	68.3%
Widowed	21.5%
Divorced	10.2%
Single	0.0%
Income (USD/month)	1,200 (SD 300)
Health status	
Good	75.4%
Fair	18.7%
Poor	5.9%
Smoking status	
Smoker	23.1%
Non-smoker	76.9%
Alcohol consumption	
Regular	15.6%
Occasional	32.4%
Never	52.0%

&lt;120&gt; FULL-LENGTH EXPRESSED GENETIC MARKERS

<130> PF-0695-2 CON

<140> To Be Assigned

<141> Herewith

<150> 09/311,894

<151> 1999-05-14

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<223> Incyte Clone 1841446

 $\langle 400 \rangle$  1

1

PF-0695-2 CON

140 145 150  
Arg Pro His Gly Arg Thr Val Arg Leu Cys Glu Gln Leu Ser Thr  
155 160 165  
Val Ile Pro Asn Ser His Val Tyr Tyr Arg Arg Gly Leu Ala Leu  
170 175 180  
Lys Lys Ile Ile Pro Gln Cys Ile Ala Arg Asp Phe Thr Asp Leu  
185 190 195  
Ile Val Ile Asn Glu Asp Arg Lys Thr Pro Asn Gly Leu Ile Leu  
200 205 210  
Ser His Leu Pro Asn Gly Pro Thr Ala His Phe Lys Met Ser Ser  
215 220 225  
Val Arg Leu Arg Lys Glu Ile Lys Arg Arg Gly Lys Asp Pro Thr  
230 235 240  
Glu His Ile Pro Glu Ile Ile Leu Asn Asn Phe Thr Thr Arg Leu  
245 250 255  
Gly His Ser Ile Gly Arg Met Phe Ala Ser Leu Phe Pro His Asn  
260 265 270  
Pro Gln Phe Ile Gly Arg Gln Val Ala Thr Phe His Asn Gln Arg  
275 280 285  
Asp Tyr Ile Phe Phe Arg Phe His Arg Tyr Ile Phe Arg Ser Glu  
290 295 300  
Lys Lys Val Gly Ile Gln Glu Leu Gly Pro Arg Phe Thr Leu Lys  
305 310 315  
Leu Arg Ser Leu Gln Lys Gly Thr Phe Asp Ser Lys Tyr Gly Glu  
320 325 330  
Tyr Glu Trp Val His Lys Pro Arg Glu Met Asp Thr Ser Arg Arg  
335 340 345  
Lys Phe His Leu

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<223> Incyte Clone 1850310

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Met Gln Cys Leu Leu Pro Tyr Gln Ser Lys Glu Pro Ser Cys Leu  
1 5 10 15  
Pro Pro Leu Pro Leu Asn Leu Pro Leu Pro Pro Cys Leu Cys Pro  
20 25 30  
Leu Leu Gln Leu Asn Ala Ala Met Thr Arg Lys Glu Lys Thr Lys  
35 40 45  
Glu Gly Gln Arg Ala Ala Gln Phe Ser Ala Gly Ala Asp Ala Gly  
50 55 60  
Ser Gly Gly Gly Leu Ser Arg Gln Lys Asp Thr Lys Arg Pro Met  
65 70 75  
Leu Leu Val Ile His Asp Val Val Leu Glu Leu Leu Thr Ser Ser  
80 85 90

PF-0695-2 CON

Asp	Cys	His	Ala	Asn	Pro	Arg	Lys	Tyr	Pro	Thr	Cys	Gln	Lys	Ser
				95					100					105
Glu	Val	Leu	Gly	Val	Ser	Ile	Tyr	Val	Ser	Ile	Cys	Pro	Ser	Thr
				110					115					120
Arg	Pro	Arg	Asp	Lys	Asn	Lys	Thr	Lys	Lys	Arg	Cys	Gln	Val	Leu
				125					130					135
Glu	Ala	Val	Leu	Val	Ser	Lys	Pro	Ser	Gly	Ser	Cys	His	Gln	Gly
				140					145					150
Ser	Phe	Glu	Ile	Val	Pro	His	Val	Lys	Gly	Asn	Leu	Ala	Phe	Thr
				155					160					165
Ser	Ser	Asn	His											

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Met	Glu	Ser	Asn	Val	Lys	Val	Gln	Arg	Gln	Glu	Gly	Ala	Lys	Val
1				5					10					15
Ser	Leu	Met	Ser	Pro	Asp	Gln	Leu	Arg	Asn	Lys	Phe	Pro	Trp	Ile
				20					25					30
Asn	Thr	Glu	Gly	Val	Ala	Leu	Ala	Ser	Tyr	Gly	Met	Glu	Asp	Glu
				35					40					45
Gly	Trp	Phe	Asp	Pro	Trp	Cys	Leu	Leu	Gln	Gly	Leu	Arg	Arg	Lys
				50					55					60
Val	Gln	Ser	Leu	Gly	Val	Leu	Phe	Cys	Gln	Gly	Glu	Val	Thr	Arg
				65					70					75
Phe	Val	Ser	Ser	Ser	Gln	Arg	Met	Leu	Thr	Thr	Asp	Asp	Lys	Ala
				80					85					90
Val	Val	Leu	Lys	Arg	Ile	His	Glu	Val	His	Val	Lys	Met	Asp	Arg
				95					100					105
Ser	Leu	Glu	Tyr	Gln	Pro	Val	Glu	Cys	Ala	Ile	Val	Ile	Asn	Ala
				110					115					120
Ala	Gly	Ala	Trp	Ser	Ala	Gln	Ile	Ala	Ala	Leu	Ala	Gly	Val	Gly
				125					130					135
Glu	Gly	Pro	Pro	Gly	Thr	Leu	Gln	Gly	Thr	Lys	Leu	Pro	Val	Glu
				140					145					150
Pro	Arg	Lys	Arg	Tyr	Val	Tyr	Val	Trp	His	Cys	Pro	Gln	Gly	Pro
				155					160					165
Gly	Leu	Glu	Thr	Pro	Leu	Val	Ala	Asp	Thr	Ser	Gly	Ala	Tyr	Phe
				170					175					180
Arg	Arg	Glu	Gly	Leu	Gly	Ser	Asn	Tyr	Leu	Gly	Gly	Arg	Ser	Pro
				185					190					195
Thr	Glu	Gln	Glu	Glu	Pro	Asp	Pro	Ala	Asn	Leu	Glu	Val	Asp	His
				200					205					210

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Asp Phe Phe Gln Asp Lys Val Trp Pro His Leu Ala Leu Arg Val  
215 220 225  
Pro Ala Phe Glu Thr Leu Lys Val Gln Ser Ala Trp Ala Gly Tyr  
230 235 240  
Tyr Asp Tyr Asn Thr Phe Asp Gln Asn Gly Val Val Gly Pro His  
245 250 255  
Pro Leu Val Val Asn Met Tyr Phe Ala Thr Gly Phe Ser Gly His  
260 265 270  
Gly Leu Gln Gln Ala Pro Gly Ile Gly Arg Ala Val Ala Glu Met  
275 280 285  
Val Leu Lys Gly Arg Phe Gln Thr Ile Asp Leu Ser Pro Phe Leu  
290 295 300  
Phe Thr Arg Phe Tyr Leu Gly Glu Lys Ile Gln Glu Asn Asn Ile  
305 310 315  
Ile

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<400> 4

Met Lys Ser Val Ile Tyr His Ala Leu Ser Gln Lys Glu Ala Asn  
1 5 10 15  
Asp Ser Asp Val Gln Pro Ser Gly Ala Gln Arg Ala Glu Ala Phe  
20 25 30  
Val Arg Ala Phe Leu Lys Arg Ser Thr Pro Arg Met Ser Pro Gln  
35 40 45  
Ala Arg Glu Asp Gln Leu Gln Arg Lys Ala Val Val Leu Glu Tyr  
50 55 60  
Phe Thr Arg His Lys Arg Lys Glu Lys Lys Lys Lys Ala Lys Gly  
65 70 75  
Leu Ser Ala Arg Gln Arg Arg Glu Leu Arg Leu Phe Asp Ile Lys  
80 85 90  
Pro Glu Gln Gln Arg Tyr Ser Leu Phe Leu Pro Leu His Glu Leu  
95 100 105  
Trp Lys Gln Tyr Ile Arg Asp Leu Cys Ser Gly Leu Lys Pro Asp  
110 115 120  
Thr Gln Pro Gln Met Ile Gln Ala Lys Leu Leu Lys Ala Asp Leu  
125 130 135  
His Gly Ala Ile Ile Ser Val Thr Lys Ser Lys Cys Pro Ser Tyr  
140 145 150  
Val Gly Ile Thr Gly Ile Leu Leu Gln Glu Thr Lys His Ile Phe  
155 160 165  
Lys Ile Ile Thr Lys Glu Asp Arg Leu Lys Val Ile Pro Lys Leu  
170 175 180  
Asn Cys Val Phe Thr Val Glu Thr Asp Gly Phe Ile Ser Tyr Ile

PF-0695-2 CON

	185		190		195
Tyr Gly Ser Lys	Phe Gln Leu Arg Ser	Ser Glu Arg Ser Ala	Lys		
	200		205		210
Lys Phe Lys Ala	Lys Gly Thr Ile Asp	Leu			
	215		220		

<210> 5

<211> 235

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<223> Incyte Clone 1911910

<400> 5

Met Gly Ser Thr	Glu Ser Ser Glu Gly Arg Arg Val Ser Phe Gly	
1	5	10 15
Val Asp Glu Glu	Glu Arg Val Arg Val Leu Gln Gly Val Arg Leu	
	20	25 30
Ser Glu Asn Val	Val Asn Arg Met Lys Glu Pro Ser Ser Pro Pro	
	35	40 45
Pro Ala Pro Thr	Ser Ser Thr Phe Gly Leu Gln Asp Gly Asn Leu	
	50	55 60
Arg Ala Pro His	Lys Glu Ser Thr Leu Pro Arg Ser Gly Ser Ser	
	65	70 75
Gly Gly Gln Gln	Pro Ser Gly Met Lys Glu Gly Val Lys Arg Tyr	
	80	85 90
Glu Gln Glu His	Ala Ala Ile Gln Asp Lys Leu Phe Gln Val Ala	
	95	100 105
Lys Arg Glu Arg	Glu Ala Ala Thr Lys His Ser Lys Ala Ser Leu	
	110	115 120
Pro Thr Gly Glu	Gly Ser Ile Ser His Glu Glu Gln Lys Ser Val	
	125	130 135
Arg Leu Ala Arg	Glu Leu Glu Ser Arg Glu Ala Glu Leu Arg Arg	
	140	145 150
Arg Asp Thr Phe	Tyr Lys Glu Gln Leu Glu Arg Ile Glu Arg Lys	
	155	160 165
Asn Ala Glu Met	Tyr Lys Leu Ser Ser Glu Gln Phe His Glu Ala	
	170	175 180
Ala Ser Lys Met	Glu Ser Thr Ile Lys Pro Arg Arg Val Glu Pro	
	185	190 195
Val Cys Ser Gly	Leu Gln Ala Gln Ile Leu His Cys Tyr Arg Asp	
	200	205 210
Arg Pro His Glu	Val Leu Leu Cys Ser Asp Leu Val Lys Ala Tyr	
	215	220 225
Gln Arg Cys Val	Ser Ala Ala His Lys Gly	
	230	235

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<210> 6

<211> 487

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte Clone 1928920

<400> 6

Met	Ala	Ser	Ser	Ala	Glu	Gly	Asp	Glu	Gly	Thr	Val	Val	Ala	Leu	
1				5					10					15	
Ala	Gly	Val	Leu	Gln	Ser	Gly	Phe	Gln	Glu	Leu	Ser	Leu	Asn	Lys	
				20					25					30	
Leu	Ala	Thr	Ser	Leu	Gly	Ala	Ser	Glu	Gln	Ala	Leu	Arg	Leu	Ile	
				35					40					45	
Ile	Ser	Ile	Phe	Leu	Gly	Tyr	Pro	Phe	Ala	Leu	Phe	Tyr	Arg	His	
				50					55					60	
Tyr	Leu	Phe	Tyr	Lys	Glu	Thr	Tyr	Leu	Ile	His	Leu	Phe	His	Thr	
				65					70					75	
Phe	Thr	Gly	Leu	Ser	Ile	Ala	Tyr	Phe	Asn	Phe	Gly	Asn	Gln	Leu	
				80					85					90	
Tyr	His	Ser	Leu	Leu	Cys	Ile	Val	Leu	Gln	Phe	Leu	Ile	Leu	Arg	
				95					100					105	
Leu	Met	Gly	Arg	Thr	Ile	Thr	Ala	Val	Leu	Thr	Thr	Phe	Cys	Phe	
				110					115					120	
Gln	Met	Ala	Tyr	Leu	Leu	Ala	Gly	Tyr	Tyr	Tyr	Thr	Ala	Thr	Gly	
				125					130					135	
Asn	Tyr	Asp	Ile	Lys	Trp	Thr	Met	Pro	His	Cys	Val	Leu	Thr	Leu	
				140					145					150	
Lys	Leu	Ile	Gly	Leu	Ala	Val	Asp	Tyr	Phe	Asp	Gly	Gly	Lys	Asp	
				155					160					165	
Gln	Asn	Ser	Leu	Ser	Ser	Glu	Gln	Gln	Lys	Tyr	Ala	Ile	Arg	Gly	
				170					175					180	
Val	Pro	Ser	Leu	Leu	Glu	Val	Ala	Gly	Phe	Ser	Tyr	Phe	Tyr	Gly	
				185					190					195	
Ala	Phe	Leu	Val	Gly	Pro	Gln	Phe	Ser	Met	Asn	His	Tyr	Met	Lys	
				200					205					210	
Leu	Val	Gln	Gly	Glu	Leu	Ile	Asp	Ile	Pro	Gly	Lys	Ile	Pro	Asn	
				215					220					225	
Ser	Ile	Ile	Pro	Ala	Leu	Lys	Arg	Leu	Ser	Leu	Gly	Leu	Phe	Tyr	
				230					235					240	
Leu	Val	Gly	Tyr	Thr	Leu	Leu	Ser	Pro	His	Ile	Thr	Glu	Asp	Tyr	
				245					250					255	
Leu	Leu	Thr	Glu	Asp	Tyr	Asp	Asn	His	Pro	Phe	Trp	Phe	Arg	Cys	
				260					265					270	
Met	Tyr	Met	Leu	Ile	Trp	Gly	Lys	Phe	Val	Leu	Tyr	Lys	Tyr	Val	
				275					280					285	
Thr	Cys	Trp	Leu	Val	Thr	Glu	Gly	Val	Cys	Ile	Leu	Thr	Gly	Leu	
				290					295					300	
Gly	Phe	Asn	Gly	Phe	Glu	Glu	Lys	Gly	Lys	Ala	Lys	Trp	Asp	Ala	
				305					310					315	
Cys	Ala	Asn	Met	Lys	Val	Trp	Leu	Phe	Glu	Thr	Asn	Pro	Arg	Phe	
				320					325					330	

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Thr Gly Thr Ile	Ala Ser Phe Asn Ile	Asn Thr Asn Ala Trp	Val
	335	340	345
Ala Arg Tyr Ile	Phe Lys Arg Leu Lys	Phe Leu Gly Asn Lys	Glu
	350	355	360
Leu Ser Gln Gly	Leu Ser Leu Leu Phe	Leu Ala Leu Trp His	Gly
	365	370	375
Leu His Ser Gly	Tyr Leu Val Cys Phe	Gln Met Glu Phe Leu	Ile
	380	385	390
Val Ile Val Glu	Arg Gln Ala Ala Arg	Leu Ile Gln Glu Ser	Pro
	395	400	405
Thr Leu Ser Lys	Leu Ala Ala Ile Thr	Val Leu Gln Pro Phe	Tyr
	410	415	420
Tyr Leu Val Gln	Gln Thr Ile His Trp	Leu Phe Met Gly Tyr	Ser
	425	430	435
Met Thr Ala Phe	Cys Leu Phe Thr Trp	Asp Lys Trp Leu Lys	Val
	440	445	450
Tyr Lys Ser Ile	Tyr Phe Leu Gly His	Ile Phe Phe Leu Ser	Leu
	455	460	465
Leu Phe Ile Leu	Pro Tyr Ile His Lys	Ala Met Val Pro Arg	Lys
	470	475	480
Glu Lys Leu Lys	Lys Met Glu		
	485		

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 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte Clone 2170846

<400> 7

Met Ala Ala Pro Pro	Gln Leu Arg Ala Leu	Leu Val Val Val	Asn
1	5	10	15
Ala Leu Leu Arg Lys	Arg Arg Tyr His	Ala Ala Leu Ala	Val Leu
	20	25	30
Lys Gly Phe Arg Asn	Gly Ala Val Tyr	Gly Ala Lys Ile	Arg Ala
	35	40	45
Pro His Ala Leu Val	Met Thr Phe Leu	Phe Arg Asn Gly	Ser Leu
	50	55	60
Gln Glu Lys Leu Trp	Ala Ile Leu Gln	Ala Thr Tyr Ile	His Ser
	65	70	75
Trp Asn Leu Ala Arg	Phe Val Phe Thr	Tyr Lys Gly Leu	Arg Ala
	80	85	90
Leu Gln Ser Tyr Ile	Gln Gly Lys Thr	Tyr Pro Ala His	Ala Phe
	95	100	105
Leu Ala Ala Phe Leu	Gly Gly Ile Leu	Val Phe Gly Glu	Asn Asn
	110	115	120
Asn Ile Asn Ser Gln	Ile Asn Met Tyr	Leu Leu Ser Arg	Val Leu
	125	130	135

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PF-0695-2 CON

Phe	Ala	Leu	Ser	Arg	Leu	Ala	Val	Glu	Lys	Gly	Tyr	Ile	Pro	Glu
				140					145					150
Pro	Arg	Trp	Asp	Pro	Phe	Pro	Leu	Leu	Thr	Ala	Val	Val	Trp	Gly
				155					160					165
Leu	Val	Leu	Trp	Leu	Phe	Glu	Tyr	His	Arg	Ser	Thr	Leu	Gln	Pro
				170					175					180
Ser	Leu	Gln	Ser	Ser	Met	Thr	Tyr	Leu	Tyr	Glu	Asp	Ser	Asn	Val
				185					190					195
Trp	His	Asp	Ile	Ser	Asp	Phe	Leu	Ile	Tyr	Asn	Lys	Ser	Arg	Pro
				200					205					210
Ser	Asn													

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<211> 241

<212> PRT

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<220>

<221> misc\_feature

<223> Incyte Clone 2176361

<400> 8

Met	Ala	Pro	Val	Arg	Arg	Ser	Ala	Lys	Trp	Arg	Pro	Gly	Gly	Ile
1				5					10					15
Glu	Ala	Arg	Gly	Glu	Gly	Val	Ser	Thr	Val	Gly	Tyr	Arg	Asn	Lys
				20					25					30
Asn	Val	Arg	Gln	Lys	Thr	Trp	Arg	Pro	Asn	His	Pro	Gln	Ala	Phe
				35					40					45
Val	Gly	Ser	Val	Arg	Glu	Gly	Gln	Gly	Phe	Ala	Phe	Arg	Arg	Lys
				50					55					60
Leu	Lys	Ile	Gln	Gln	Ser	Tyr	Lys	Lys	Leu	Leu	Arg	Lys	Glu	Lys
				65					70					75
Lys	Ala	Gln	Thr	Ser	Leu	Glu	Ser	Gln	Phe	Thr	Asp	Arg	Tyr	Pro
				80					85					90
Asp	Asn	Leu	Lys	His	Leu	Tyr	Leu	Ala	Glu	Glu	Glu	Arg	His	Arg
				95					100					105
Lys	Gln	Ala	Arg	Lys	Val	Asp	His	Pro	Leu	Ser	Glu	Gln	Val	His
				110					115					120
Gln	Pro	Leu	Leu	Glu	Glu	Gln	Cys	Ser	Ile	Asp	Glu	Pro	Leu	Phe
				125					130					135
Glu	Asp	Gln	Cys	Ser	Phe	Asp	Gln	Pro	Gln	Pro	Glu	Glu	Gln	Cys
				140					145					150
Ile	Lys	Thr	Val	Asn	Ser	Phe	Thr	Ile	Pro	Lys	Lys	Asn	Lys	Lys
				155					160					165
Lys	Thr	Ser	Asn	Gln	Lys	Ala	Gln	Glu	Glu	Tyr	Glu	Gln	Ile	Gln
				170					175					180
Ala	Lys	Arg	Ala	Ala	Lys	Lys	Gln	Glu	Phe	Glu	Arg	Arg	Lys	Gln
				185					190					195
Glu	Arg	Glu	Glu	Ala	Gln	Arg	Gln	Tyr	Lys	Lys	Lys	Lys	Met	Glu
				200					205					210
Val	Phe	Lys	Ile	Leu	Asn	Lys	Lys	Thr	Lys	Lys	Gly	Gln	Pro	Asn



PF-0695-2 CON

	215		220		225
Leu Asn Val Gln Met Glu Tyr Leu Leu Gln Lys Ile Gln Glu Lys					
	230		235		240
Cys					

<210> 9

<211> 375

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte Clone 2212732

<400> 9

Met	Pro	Gln	Glu	Leu	Pro	Gln	Ser	Pro	Arg	Thr	Arg	Gln	Pro	Glu
1				5					10					15
Pro	Asp	Phe	Tyr	Cys	Val	Lys	Trp	Ile	Pro	Trp	Lys	Gly	Glu	Gln
				20					25					30
Thr	Pro	Ile	Ile	Thr	Gln	Ser	Thr	Asn	Gly	Pro	Cys	Pro	Leu	Leu
				35					40					45
Ala	Ile	Met	Asn	Ile	Leu	Phe	Leu	Gln	Trp	Lys	Val	Lys	Leu	Pro
				50					55					60
Pro	Gln	Lys	Glu	Val	Ile	Thr	Ser	Asp	Glu	Leu	Met	Ala	His	Leu
				65					70					75
Gly	Asn	Cys	Leu	Leu	Ser	Ile	Lys	Pro	Gln	Glu	Lys	Ser	Glu	Gly
				80					85					90
Leu	Gln	Leu	Asn	Phe	Gln	Gln	Asn	Val	Asp	Asp	Ala	Met	Thr	Val
				95					100					105
Leu	Pro	Lys	Leu	Ala	Thr	Gly	Leu	Asp	Val	Asn	Val	Arg	Phe	Thr
				110					115					120
Gly	Val	Ser	Asp	Phe	Glu	Tyr	Thr	Pro	Glu	Cys	Ser	Val	Phe	Asp
				125					130					135
Leu	Leu	Gly	Ile	Pro	Leu	Tyr	His	Gly	Trp	Leu	Val	Asp	Pro	Gln
				140					145					150
Gln	Ser	Pro	Glu	Ala	Val	Arg	Ala	Val	Gly	Lys	Leu	Ser	Tyr	Asn
				155					160					165
Gln	Leu	Val	Glu	Arg	Ile	Ile	Thr	Cys	Lys	His	Ser	Ser	Asp	Thr
				170					175					180
Asn	Leu	Val	Thr	Glu	Gly	Leu	Ile	Ala	Glu	Gln	Phe	Leu	Glu	Thr
				185					190					195
Thr	Ala	Ala	Gln	Leu	Thr	Tyr	His	Gly	Leu	Cys	Glu	Leu	Thr	Ala
				200					205					210
Ala	Ala	Lys	Glu	Gly	Glu	Leu	Ser	Val	Phe	Phe	Arg	Asn	Asn	His
				215					220					225
Phe	Ser	Thr	Met	Thr	Lys	His	Lys	Ser	His	Leu	Tyr	Leu	Leu	Val
				230					235					240
Thr	Asp	Gln	Gly	Phe	Leu	Gln	Glu	Glu	Gln	Val	Val	Trp	Glu	Ser
				245					250					255
Leu	His	Asn	Val	Asp	Gly	Asp	Ser	Cys	Phe	Cys	Asp	Ser	Asp	Phe
				260					265					270

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His	Leu	Ser	His	Ser	Leu	Gly	Lys	Gly	Pro	Gly	Ala	Glu	Gly	Gly
				275					280					285
Ser	Gly	Ser	Pro	Glu	Lys	Gln	Leu	Gln	Val	Asp	Gln	Asp	Tyr	Leu
				290					295					300
Ile	Ala	Leu	Ser	Leu	Gln	Gln	Gln	Gln	Pro	Arg	Gly	Pro	Leu	Gly
				305					310					315
Leu	Thr	Asp	Leu	Glu	Leu	Ala	Gln	Gln	Leu	Gln	Gln	Glu	Glu	Tyr
				320					325					330
Gln	Gln	Gln	Gln	Ala	Ala	Gln	Pro	Val	Arg	Met	Arg	Thr	Arg	Val
				335					340					345
Leu	Ser	Leu	Gln	Gly	Arg	Gly	Ala	Thr	Ser	Gly	Arg	Pro	Ala	Gly
				350					355					360
Glu	Arg	Arg	Gln	Arg	Pro	Lys	His	Glu	Ser	Asp	Cys	Ile	Leu	Leu
				365					370					375

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<220>  
<221> misc\_feature  
<223> Incyte Clone 2303457

<400> 10  
Met Ser Asn Arg Asn Asn Asn Lys Leu Pro Ser Asn Leu Pro Gln  
1 5 10 15  
Leu Gln Asn Leu Ile Lys Arg Asp Pro Pro Ala Tyr Ile Glu Glu  
20 25 30  
Phe Leu Gln Gln Tyr Asn His Tyr Lys Ser Asn Val Glu Ile Phe  
35 40 45  
Lys Leu Gln Pro Asn Lys Pro Ser Lys Glu Leu Ala Glu Leu Val  
50 55 60  
Met Phe Met Ala Gln Ile Ser His Cys Tyr Pro Glu Tyr Leu Ser  
65 70 75  
Asn Phe Pro Gln Glu Val Lys Asp Leu Leu Ser Cys Asn His Thr  
80 85 90  
Val Leu Asp Pro Asp Leu Arg Met Thr Phe Cys Lys Ala Leu Ile  
95 100 105  
Leu Leu Arg Asn Lys Asn Leu Ile Asn Pro Ser Ser Leu Leu Glu  
110 115 120  
Leu Phe Phe Glu Leu Phe Arg Cys His Asp Lys Leu Leu Arg Lys  
125 130 135  
Thr Leu Tyr Thr His Ile Val Thr Asp Ile Lys Asn Ile Asn Ala  
140 145 150  
Lys His Lys Asn Asn Lys Val Asn Val Val Leu Gln Asn Phe Met  
155 160 165  
Tyr Thr Met Leu Arg Asp Ser Asn Ala Thr Ala Ala Lys Met Ser  
170 175 180  
Leu Asp Val Met Ile Glu Leu Tyr Arg Arg Asn Ile Trp Asn Asp  
185 190 195

PF-0695-2 CON

Ala Lys Thr Val Asn Val Ile Thr Thr Ala Cys Phe Ser Lys Val  
200 205 210  
Thr Lys Ile Leu Val Ala Ala Leu Thr Phe Phe Leu Gly Lys Asp  
215 220 225  
Glu Asp Glu Lys Gln Asp Ser Asp Ser Glu Ser Glu Asp Asp Gly  
230 235 240  
Pro Thr Ala Arg Asp Leu Leu Val Gln Tyr Ala Thr Gly Lys Lys  
245 250 255  
Ser Ser Lys Asn Lys Lys Lys Leu Glu Lys Ala Met Lys Val Leu  
260 265 270  
Lys Lys Gln Lys Lys Lys Lys Pro Glu Val Phe Asn Phe Ser  
275 280 285  
Ala Ile His Leu Ile His Asp Pro Gln Asp Phe Ala Glu Lys Leu  
290 295 300  
Leu Lys Gln Leu Glu Cys Cys Lys Glu Arg Phe Glu Val Lys Met  
305 310 315  
Met Leu Met Asn Leu Ile Ser Arg Leu Val Gly Ile His Glu Leu  
320 325 330  
Phe Leu Phe Asn Phe Tyr Pro Phe Leu Lys Arg Phe Leu Lys Pro  
335 340 345  
His Gln Arg Glu Val Thr Lys Ile Leu Leu Phe Val Glu Lys Asp  
350 355 360  
Ser His His Leu Val Pro Gln Gly Phe Phe Asn Ser Trp Leu Met  
365 370 375  
Leu Gly Glu Lys Ile Phe Phe Asn Gly Lys Lys Ser Gly Lys Met  
380 385 390  
Leu Met Thr Val Gly Asn Leu Met Val Lys Arg Gly Val Tyr Lys  
395 400 405  
Arg Ser Lys Val Phe Leu Gly Gly Asn Ser Val Gly Arg Asn Phe  
410 415 420  
Phe Gln Lys Asn Pro Gly Gly Ser Ser  
425

<210> 11  
<211> 329  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte Clone 2317552

<400> 11  
Met Glu Val Ala Glu Pro Ser Ser Pro Thr Glu Glu Glu Glu Glu  
1 5 10 15  
Glu Glu Glu His Ser Ala Glu Pro Arg Pro Arg Thr Arg Ser Asn  
20 25 30  
Pro Glu Gly Ala Glu Asp Arg Ala Val Gly Ala Gln Ala Ser Val  
35 40 45  
Gly Ser Arg Ser Glu Gly Glu Gly Glu Ala Ala Ser Ala Asp Asp  
50 55 60

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Gly	Ser	Leu	Asn	Thr	Ser	Gly	Ala	Gly	Pro	Lys	Ser	Trp	Gln	Val			
				65					70					75			
Pro	Pro	Pro	Ala	Pro	Glu	Val	Gln	Ile	Arg	Thr	Pro	Arg	Val	Asn			
				80					85					90			
Cys	Pro	Glu	Lys	Val	Ile	Ile	Cys	Leu	Asp	Leu	Ser	Glu	Glu	Met			
				95					100					105			
Ser	Leu	Pro	Lys	Leu	Glu	Ser	Phe	Asn	Gly	Ser	Lys	Thr	Asn	Ala			
				110					115					120			
Leu	Asn	Val	Ser	Gln	Lys	Met	Ile	Glu	Met	Phe	Val	Arg	Thr	Lys			
				125					130					135			
His	Lys	Ile	Asp	Lys	Ser	His	Glu	Phe	Ala	Leu	Val	Val	Val	Asn			
				140					145					150			
Asp	Asp	Thr	Ala	Trp	Leu	Ser	Gly	Leu	Thr	Ser	Asp	Pro	Arg	Glu			
				155					160					165			
Leu	Cys	Ser	Cys	Leu	Tyr	Asp	Leu	Glu	Thr	Ala	Ser	Cys	Ser	Thr			
				170					175					180			
Phe	Asn	Leu	Glu	Gly	Leu	Phe	Ser	Leu	Ile	Gln	Gln	Lys	Thr	Glu			
				185					190					195			
Leu	Pro	Val	Thr	Glu	Asn	Val	Gln	Thr	Ile	Pro	Pro	Pro	Tyr	Val			
				200					205					210			
Val	Arg	Thr	Ile	Leu	Val	Tyr	Ser	Arg	Pro	Pro	Cys	Gln	Pro	Gln			
				215					220					225			
Phe	Ser	Leu	Thr	Glu	Pro	Met	Lys	Lys	Met	Phe	Gln	Cys	Pro	Tyr			
				230					235					240			
Phe	Phe	Phe	Asp	Val	Val	Tyr	Ile	His	Asn	Gly	Thr	Glu	Glu	Lys			
				245					250					255			
Glu	Glu	Glu	Met	Ser	Trp	Lys	Asp	Met	Phe	Ala	Phe	Met	Gly	Ser			
				260					265					270			
Leu	Asp	Thr	Lys	Gly	Thr	Ser	Tyr	Lys	Tyr	Glu	Val	Ala	Leu	Ala			
				275					280					285			
Gly	Pro	Ala	Leu	Glu	Leu	His	Asn	Cys	Met	Ala	Lys	Leu	Leu	Ala			
				290					295					300			
His	Pro	Leu	Gln	Arg	Pro	Cys	Gln	Ser	His	Ala	Ser	Tyr	Ser	Leu			
				305					310					315			
Leu	Glu	Glu	Glu	Asp	Glu	Ala	Ile	Glu	Val	Glu	Ala	Thr	Val				
				320					325								

<210> 12

<211> 476

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte Clone 2416366

<400> 12

Met	Gln	Asn	Asp	Ser	Phe	His	Ser	Asp	Ser	His	Met	Asp	Arg	Lys			
1				5					10					15			
Lys	Phe	His	Ser	Ser	Asp	Ser	Glu	Glu	Glu	Glu	His	Lys	Lys	Gln			
				20					25					30			

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Lys	Met	Asp	Ser	Asp	Glu	Asp	Glu	Lys	Glu	Gly	Glu	Glu	Glu	Lys	35	40	45
Val	Ala	Lys	Arg	Lys	Ala	Ala	Val	Leu	Ser	Asp	Ser	Glu	Asp	Glu	50	55	60
Glu	Lys	Ala	Ser	Ala	Lys	Lys	Ser	Arg	Val	Val	Ser	Asp	Ala	Asp	65	70	75
Asp	Ser	Asp	Ser	Asp	Ala	Val	Ser	Asp	Lys	Ser	Gly	Lys	Arg	Glu	80	85	90
Lys	Thr	Ile	Ala	Ser	Asp	Ser	Glu	Glu	Glu	Ala	Gly	Lys	Glu	Leu	95	100	105
Ser	Asp	Lys	Lys	Asn	Glu	Glu	Lys	Asp	Leu	Phe	Gly	Ser	Asp	Ser	110	115	120
Glu	Ser	Gly	Asn	Glu	Glu	Glu	Asn	Leu	Ile	Ala	Asp	Ile	Phe	Gly	125	130	135
Glu	Ser	Gly	Asp	Glu	Glu	Glu	Glu	Glu	Phe	Thr	Gly	Phe	Asn	Gln	140	145	150
Glu	Asp	Leu	Glu	Glu	Glu	Lys	Gly	Glu	Thr	Gln	Val	Lys	Glu	Ala	155	160	165
Glu	Asp	Ser	Asp	Ser	Asp	Asp	Asn	Ile	Lys	Arg	Gly	Lys	His	Met	170	175	180
Asp	Phe	Leu	Ser	Asp	Phe	Glu	Met	Met	Leu	Gln	Arg	Lys	Lys	Ser	185	190	195
Met	Ser	Gly	Lys	Arg	Arg	Arg	Asn	Arg	Asp	Gly	Gly	Thr	Phe	Ile	200	205	210
Ser	Asp	Ala	Asp	Asp	Val	Val	Ser	Ala	Met	Ile	Val	Lys	Met	Asn	215	220	225
Glu	Ala	Ala	Glu	Glu	Asp	Arg	Gln	Leu	Asn	Asn	Gln	Lys	Lys	Pro	230	235	240
Ala	Leu	Lys	Lys	Leu	Thr	Leu	Leu	Pro	Ala	Val	Val	Met	His	Leu	245	250	255
Lys	Lys	Gln	Asp	Leu	Lys	Glu	Thr	Phe	Ile	Asp	Ser	Gly	Val	Met	260	265	270
Ser	Ala	Ile	Lys	Glu	Trp	Leu	Ser	Pro	Leu	Pro	Asp	Arg	Ser	Leu	275	280	285
Pro	Ala	Leu	Lys	Ile	Arg	Glu	Glu	Leu	Leu	Lys	Ile	Leu	Gln	Glu	290	295	300
Leu	Pro	Ser	Val	Ser	Gln	Glu	Thr	Leu	Lys	His	Ser	Gly	Ile	Gly	305	310	315
Arg	Ala	Val	Met	Tyr	Leu	Tyr	Lys	His	Pro	Lys	Glu	Ser	Arg	Ser	320	325	330
Asn	Lys	Asp	Met	Ala	Gly	Lys	Leu	Ile	Asn	Glu	Trp	Ser	Arg	Pro	335	340	345
Ile	Phe	Gly	Leu	Thr	Ser	Asn	Tyr	Lys	Gly	Met	Thr	Arg	Glu	Glu	350	355	360
Arg	Glu	Gln	Arg	Asp	Leu	Glu	Gln	Met	Pro	Gln	Arg	Arg	Arg	Met	365	370	375
Asn	Ser	Thr	Gly	Gly	Gln	Thr	Pro	Arg	Arg	Asp	Leu	Glu	Lys	Val	380	385	390
Leu	Thr	Gly	Glu	Glu	Lys	Ala	Leu	Arg	Pro	Gly	Asp	Pro	Gly	Phe	395	400	405
Cys	Ala	Arg	Ala	Arg	Val	Pro	Met	Pro	Ser	Asn	Lys	Asp	Tyr	Val	410	415	420
Val	Arg	Pro	Lys	Trp	Asn	Val	Glu	Met	Glu	Ser	Ser	Arg	Phe	Gln	425	430	435

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Ala Thr Ser Lys Lys Gly Ile Ser Arg Leu Asp Lys Gln Met Arg  
440 445 450  
Lys Phe Thr Asp Ile Arg Lys Lys Ser Arg Ser Ala His Ala Val  
455 460 465  
Lys Ile Ser Ile Glu Gly Asn Lys Met Pro Leu  
470 475

<210> 13

<211> 366

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte Clone 2472980

<400> 13

Met Ala Ala Ala Tyr Phe Pro Asp Cys Ile Val Arg Pro Phe Gly  
1 5 10 15  
Ser Ser Val Asn Thr Phe Gly Lys Leu Gly Cys Asp Leu Asp Met  
20 25 30  
Phe Leu Asp Leu Asp Glu Thr Arg Asn Leu Ser Ala His Lys Ile  
35 40 45  
Ser Gly Asn Phe Leu Met Glu Phe Gln Val Lys Asn Val Pro Ser  
50 55 60  
Glu Arg Ile Ala Thr Gln Lys Ile Leu Ser Val Leu Gly Glu Cys  
65 70 75  
Leu Asp His Phe Gly Pro Gly Cys Val Gly Val Gln Lys Ile Leu  
80 85 90  
Asn Ala Arg Cys Pro Leu Val Arg Phe Ser His Gln Ala Ser Gly  
95 100 105  
Phe Gln Cys Asp Leu Thr Thr Asn Asn Arg Ile Ala Leu Thr Ser  
110 115 120  
Ser Glu Leu Leu Tyr Ile Tyr Gly Ala Leu Asp Ser Arg Val Arg  
125 130 135  
Ala Leu Val Phe Ser Val Arg Cys Trp Ala Arg Ala His Ser Leu  
140 145 150  
Thr Ser Ser Ile Pro Gly Ala Trp Ile Thr Asn Phe Ser Leu Thr  
155 160 165  
Met Met Val Ile Phe Phe Leu Gln Arg Arg Ser Pro Pro Ile Leu  
170 175 180  
Pro Thr Leu Asp Ser Leu Lys Thr Leu Ala Asp Ala Glu Asp Lys  
185 190 195  
Cys Val Ile Glu Gly Asn Asn Cys Thr Phe Val Arg Asp Leu Ser  
200 205 210  
Arg Ile Lys Pro Ser Gln Asn Thr Glu Thr Leu Glu Leu Leu Leu  
215 220 225  
Lys Glu Phe Phe Glu Tyr Phe Gly Asn Phe Ala Phe Asp Lys Asn  
230 235 240  
Ser Ile Asn Ile Arg Gln Gly Arg Glu Gln Asn Lys Pro Asp Ser  
245 250 255

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Ser	Pro	Leu	Tyr	Ile	Gln	Asn	Pro	Phe	Glu	Thr	Ser	Leu	Asn	Ile	
				260					265					270	
Ser	Lys	Asn	Val	Ser	Gln	Ser	Gln	Leu	Gln	Lys	Phe	Val	Asp	Leu	
				275					280					285	
Ala	Arg	Glu	Ser	Ala	Trp	Ile	Leu	Gln	Gln	Glu	Asp	Thr	Asp	Arg	
				290					295					300	
Pro	Ser	Ile	Ser	Ser	Asn	Arg	Pro	Trp	Gly	Leu	Val	Ser	Leu	Leu	
				305					310					315	
Leu	Pro	Ser	Ala	Pro	Asn	Arg	Lys	Ser	Phe	Thr	Lys	Lys	Lys	Ser	
				320					325					330	
Asn	Lys	Phe	Ala	Ile	Glu	Thr	Val	Lys	Asn	Leu	Leu	Glu	Ser	Leu	
				335					340					345	
Lys	Gly	Asn	Arg	Thr	Glu	Asn	Phe	Thr	Lys	Thr	Ser	Gly	Lys	Arg	
				350					355					360	
Thr	Ile	Ser	Thr	Gln	Thr										
				365											

<210> 14  
 <211> 152  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> Incyte Clone 2541640

<400> 14

Met	Gly	Gly	Val	Gly	Val	Ala	Glu	Ala	Ala	Arg	Pro	Leu	Leu	Ser	
1				5				10						15	
Trp	Pro	Thr	Ile	Ser	Leu	Thr	Ile	Phe	Thr	Ala	Val	Asn	Ser	Ser	
				20				25						30	
Gln	Gly	Gly	Gly	Leu	Val	Gln	Arg	Gln	Leu	Arg	Phe	His	Asn	Ser	
				35				40						45	
His	Arg	Val	Leu	Cys	Arg	Arg	Cys	Pro	Cys	Pro	Pro	Thr	Pro	Ala	
				50				55						60	
Trp	Trp	Glu	Cys	Asp	Ala	Arg	Leu	Leu	Pro	Pro	Pro	Trp	Pro	Pro	
				65				70						75	
Val	Pro	Pro	Ala	Ser	Thr	Ser	Pro	Glu	Ile	Leu	Pro	Thr	Pro	His	
				80				85						90	
Leu	His	Arg	Ser	Pro	His	Ala	Pro	Gly	Ala	Pro	Lys	Pro	Pro	Pro	
				95				100						105	
Asn	Pro	Thr	His	Pro	Gly	Ala	Gly	Thr	Gly	Val	Ser	Glu	Leu	Ser	
				110				115						120	
Gln	Gly	Pro	Trp	Glu	Val	Ala	Gly	Thr	Gly	Ala	Ser	Cys	Ser	Leu	
				125				130						135	
Phe	His	Phe	Pro	Phe	Arg	Ile	Trp	Pro	Gly	Trp	Arg	Thr	Gly	Gln	
				140				145						150	
Asp	Gly														

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<210> 15  
<211> 233  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte Clone 2695204

<400> 15  
Met Gly Arg Arg Leu Lys Gly Ala Arg Arg Leu Lys Leu Ser Pro  
1 5 10 15  
Leu Arg Ser Leu Arg Lys Gly Pro Gly Leu Leu Ser Pro Pro Ser  
20 25 30  
Ala Ser Pro Val Pro Thr Pro Ala Val Ser Arg Thr Leu Leu Gly  
35 40 45  
Asn Phe Glu Glu Ser Leu Leu Arg Gly Arg Phe Ala Pro Ser Gly  
50 55 60  
His Ile Glu Gly Phe Thr Ala Glu Ile Gly Ala Ser Gly Ser Tyr  
65 70 75  
Cys Pro Gln His Val Thr Leu Pro Val Thr Val Thr Phe Phe Asp  
80 85 90  
Val Ser Glu Gln Asn Ala Pro Ala Pro Phe Leu Gly Ile Val Asp  
95 100 105  
Leu Asn Pro Leu Gly Arg Lys Gly Tyr Ser Val Pro Lys Val Gly  
110 115 120  
Thr Val Gln Val Thr Leu Phe Asn Pro Asn Gln Thr Val Val Lys  
125 130 135  
Met Phe Leu Val Thr Phe Asp Phe Ser Asp Met Pro Ala Ala His  
140 145 150  
Met Thr Phe Leu Arg His Arg Leu Phe Leu Val Pro Val Gly Glu  
155 160 165  
Glu Gly Asn Ala Asn Pro Thr His Arg Leu Leu Cys Tyr Leu Leu  
170 175 180  
His Leu Arg Phe Arg Ser Ser Arg Ser Gly Arg Leu Ser Leu His  
185 190 195  
Gly Asp Ile Arg Leu Leu Phe Ser Arg Arg Ser Leu Glu Leu Asp  
200 205 210  
Thr Gly Leu Pro Tyr Glu Leu Gln Ala Val Thr Glu Ala Pro His  
215 220 225  
Asn Pro Arg Tyr Ser Pro Leu Pro  
230

<210> 16  
<211> 357  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte Clone 2805526



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<400> 16

Met	Glu	Val	Leu	Arg	Pro	Gln	Leu	Ile	Arg	Ile	Asp	Gly	Arg	Asn	
1				5					10					15	
Tyr	Arg	Lys	Asn	Pro	Val	Gln	Glu	Gln	Thr	Tyr	Gln	His	Glu	Glu	
			20						25					30	
Asp	Glu	Glu	Asp	Phe	Tyr	Gln	Gly	Ser	Met	Glu	Cys	Ala	Asp	Glu	
			35						40					45	
Pro	Cys	Asp	Ala	Tyr	Glu	Val	Glu	Gln	Thr	Pro	Gln	Gly	Phe	Arg	
			50						55					60	
Ser	Thr	Leu	Arg	Ala	Pro	Ser	Leu	Leu	Tyr	Lys	His	Ile	Val	Gly	
			65						70					75	
Lys	Arg	Gly	Asp	Thr	Arg	Lys	Lys	Ile	Glu	Met	Glu	Thr	Lys	Thr	
			80						85					90	
Ser	Ile	Ser	Ile	Pro	Lys	Pro	Gly	Gln	Asp	Gly	Glu	Ile	Val	Ile	
			95						100					105	
Thr	Gly	Gln	His	Arg	Asn	Gly	Val	Ile	Ser	Ala	Arg	Thr	Arg	Ile	
			110						115					120	
Asp	Val	Leu	Leu	Asp	Thr	Phe	Arg	Arg	Lys	Gln	Pro	Phe	Thr	His	
			125						130					135	
Phe	Leu	Ala	Phe	Phe	Leu	Asn	Glu	Val	Glu	Val	Gln	Glu	Gly	Phe	
			140						145					150	
Leu	Arg	Phe	Gln	Glu	Glu	Val	Leu	Ala	Lys	Cys	Ser	Met	Asp	His	
			155						160					165	
Gly	Val	Asp	Ser	Ser	Ile	Phe	Gln	Asn	Pro	Lys	Lys	Leu	His	Leu	
			170						175					180	
Thr	Ile	Gly	Met	Leu	Val	Leu	Leu	Ser	Glu	Glu	Glu	Ile	Gln	Gln	
			185						190					195	
Thr	Cys	Glu	Met	Leu	Gln	Gln	Cys	Lys	Glu	Glu	Phe	Ile	Asn	Asp	
			200						205					210	
Ile	Ser	Gly	Gly	Lys	Pro	Leu	Glu	Val	Glu	Met	Ala	Gly	Ile	Glu	
			215						220					225	
Tyr	Met	Asn	Asp	Asp	Pro	Gly	Met	Val	Asp	Val	Leu	Tyr	Ala	Lys	
			230						235					240	
Val	His	Met	Lys	Asp	Gly	Ser	Asn	Arg	Leu	Gln	Glu	Leu	Val	Asp	
			245						250					255	
Arg	Val	Leu	Glu	Arg	Phe	Gln	Ala	Ser	Gly	Leu	Ile	Val	Lys	Glu	
			260						265					270	
Trp	Asn	Ser	Val	Lys	Leu	His	Ala	Thr	Val	Met	Asn	Thr	Leu	Phe	
			275						280					285	
Arg	Lys	Asp	Pro	Asn	Ala	Glu	Gly	Arg	Tyr	Asn	Leu	Tyr	Thr	Ala	
			290						295					300	
Glu	Gly	Lys	Tyr	Ile	Phe	Lys	Glu	Arg	Glu	Ser	Phe	Asp	Gly	Arg	
			305						310					315	
Asn	Ile	Leu	Lys	Leu	Phe	Glu	Asn	Phe	Tyr	Phe	Gly	Ser	Leu	Lys	
			320						325					330	
Leu	Asn	Ser	Ile	His	Ile	Ser	Gln	Arg	Phe	Thr	Val	Asp	Ser	Phe	
			335						340					345	
Gly	Asn	Tyr	Ala	Ser	Cys	Gly	Gln	Ile	Asp	Phe	Ser				
			350						355						

<210> 17

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<211> 251

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte Clone 2850382

<400> 17

Met	Glu	Pro	Gly	Glu	Glu	Leu	Glu	Glu	Glu	Gly	Ser	Pro	Gly	Gly			
1				5					10					15			
Arg	Glu	Asp	Gly	Phe	Thr	Ala	Glu	His	Leu	Ala	Ala	Glu	Ala	Met			
				20					25					30			
Ala	Ala	Asp	Met	Asp	Pro	Trp	Leu	Val	Phe	Asp	Ala	Arg	Thr	Thr			
				35					40					45			
Pro	Ala	Thr	Glu	Leu	Asp	Ala	Trp	Leu	Ala	Lys	Tyr	Pro	Pro	Ser			
				50					55					60			
Gln	Val	Thr	Arg	Tyr	Gly	Asp	Pro	Gly	Ser	Pro	Asn	Ser	Glu	Pro			
				65					70					75			
Val	Gly	Trp	Ile	Ala	Val	Tyr	Gly	Gln	Gly	Tyr	Ser	Pro	Asn	Ser			
				80					85					90			
Gly	Asp	Val	Gln	Gly	Leu	Gln	Ala	Ala	Trp	Glu	Ala	Leu	Gln	Thr			
				95					100					105			
Ser	Gly	Arg	Pro	Ile	Thr	Pro	Gly	Thr	Leu	Arg	Gln	Leu	Ala	Ile			
				110					115					120			
Thr	His	His	Val	Leu	Ser	Gly	Lys	Trp	Leu	Met	His	Leu	Ala	Pro			
				125					130					135			
Gly	Phe	Lys	Leu	Asp	His	Ala	Trp	Ala	Gly	Ile	Ala	Arg	Ala	Val			
				140					145					150			
Val	Glu	Gly	Arg	Leu	Gln	Val	Ala	Lys	Val	Ser	Pro	Arg	Ala	Lys			
				155					160					165			
Glu	Gly	Gly	Arg	Gln	Val	Ile	Cys	Val	Tyr	Thr	Asp	Asp	Phe	Thr			
				170					175					180			
Asp	Arg	Leu	Gly	Val	Leu	Glu	Ala	Asp	Ser	Ala	Ile	Arg	Ala	Ala			
				185					190					195			
Gly	Ile	Lys	Cys	Leu	Leu	Thr	Tyr	Lys	Pro	Asp	Val	Tyr	Thr	Tyr			
				200					205					210			
Leu	Gly	Ile	Tyr	Arg	Ala	Asn	Arg	Trp	His	Leu	Cys	Pro	Thr	Leu			
				215					220					225			
Tyr	Glu	Ser	Arg	Phe	Gln	Leu	Gly	Gly	Ser	Ala	Arg	Gly	Ser	Arg			
				230					235					240			
Val	Leu	Asp	Arg	Ala	Asn	Asn	Val	Glu	Leu	Thr							
				245					250								

<210> 18

<211> 105

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

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<223> Incyte Clone 2929276

<400> 18

Met	Ser	Ile	Tyr	Phe	Pro	Ile	His	Cys	Pro	Asp	Tyr	Leu	Arg	Ser
1				5					10					15
Ala	Lys	Met	Thr	Glu	Val	Met	Met	Asn	Thr	Gln	Pro	Met	Glu	Glu
				20					25					30
Ile	Gly	Leu	Ser	Pro	Arg	Lys	Asp	Gly	Leu	Ser	Tyr	Gln	Ile	Phe
				35					40					45
Pro	Asp	Pro	Ser	Asp	Phe	Asp	Arg	Cys	Cys	Lys	Leu	Lys	Asp	Arg
				50					55					60
Leu	Pro	Ser	Ile	Val	Val	Glu	Pro	Thr	Glu	Gly	Glu	Val	Glu	Ser
				65					70					75
Gly	Glu	Leu	Arg	Trp	Pro	Pro	Glu	Glu	Phe	Leu	Val	Gln	Glu	Asp
				80					85					90
Glu	Gln	Asp	Asn	Cys	Glu	Glu	Thr	Ala	Lys	Glu	Asn	Lys	Glu	Gln
				95					100					105

<210> 19

<211> 876

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte Clone 3033039

<400> 19

Met	Thr	Met	Asp	Ala	Leu	Leu	Ala	Arg	Leu	Lys	Leu	Leu	Asn	Pro
1				5					10					15
Asp	Asp	Leu	Arg	Glu	Glu	Ile	Val	Lys	Ala	Gly	Leu	Lys	Cys	Gly
				20					25					30
Pro	Ile	Thr	Ser	Thr	Thr	Arg	Phe	Ile	Phe	Glu	Lys	Lys	Leu	Ala
				35					40					45
Gln	Ala	Leu	Leu	Glu	Gln	Gly	Gly	Arg	Leu	Ser	Ser	Phe	Tyr	His
				50					55					60
His	Glu	Ala	Gly	Val	Thr	Ala	Leu	Ser	Gln	Asp	Pro	Gln	Arg	Ile
				65					70					75
Leu	Lys	Pro	Ala	Glu	Gly	Asn	Pro	Thr	Asp	Gln	Ala	Gly	Phe	Ser
				80					85					90
Glu	Asp	Arg	Asp	Phe	Gly	Tyr	Ser	Val	Gly	Leu	Asn	Pro	Pro	Glu
				95					100					105
Glu	Glu	Ala	Val	Thr	Ser	Lys	Thr	Cys	Ser	Val	Pro	Pro	Ser	Asp
				110					115					120
Thr	Asp	Thr	Tyr	Arg	Ala	Gly	Ala	Thr	Ala	Ser	Lys	Glu	Pro	Pro
				125					130					135
Leu	Tyr	Tyr	Gly	Val	Cys	Pro	Val	Tyr	Glu	Asp	Val	Pro	Ala	Arg
				140					145					150
Asn	Glu	Arg	Ile	Tyr	Val	Tyr	Glu	Asn	Lys	Lys	Glu	Ala	Leu	Gln
				155					160					165
Ala	Val	Lys	Met	Ile	Lys	Gly	Ser	Arg	Phe	Lys	Ala	Phe	Ser	Thr

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Pro Ser Pro Ser	Lys Thr Ser Leu Pro	Leu Ser Pro Val Lys Thr			
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Ala Pro Leu Phe	Ser Asn Asp Arg Leu	Lys Asp Gly Leu Cys Leu			
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Ser Glu Ser Glu	Thr Val Asn Lys Glu	Arg Ala Asn Ser Tyr Lys			
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Asn Pro Arg Thr	Gln Asp Leu Thr Ala	Lys Leu Arg Lys Ala Val			
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Glu Lys Gly Glu	Glu Asp Thr Phe Ser	Asp Leu Ile Trp Ser Asn			
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Pro Arg Tyr Leu	Ile Gly Ser Gly Asp	Asn Pro Thr Ile Val Gln			
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Glu Gly Cys Arg	Tyr Asn Val Met His	Val Ala Ala Lys Glu Asn			
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Gln Ala Ser Ile	Cys Gln Leu Thr Leu	Asp Val Leu Glu Asn Pro			
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Asp Phe Met Arg	Leu Met Tyr Pro Asp	Asp Asp Glu Ala Met Leu			
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Gln Lys Arg Ile	Arg Tyr Val Val Asp	Leu Tyr Leu Asn Thr Pro			
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Asp Lys Met Gly	Tyr Asp Thr Pro Leu	His Phe Ala Cys Lys Phe			
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Gly Asn Ala Asp	Val Val Asn Val Leu	Ser Ser His His Leu Ile			
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Val Lys Asn Ser	Arg Asn Lys Tyr Asp	Lys Thr Pro Glu Asp Val			
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Ile Cys Glu Arg	Ser Lys Asn Lys Ser	Val Glu Leu Lys Glu Arg			
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Ile Arg Glu Tyr	Leu Lys Gly His Tyr	Tyr Val Pro Leu Leu Arg			
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Ala Glu Glu Thr	Ser Ser Pro Val Ile	Gly Glu Leu Trp Ser Pro			
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Asp Gln Thr Ala	Glu Ala Ser His Val	Ser Arg Tyr Gly Gly Ser			
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Pro Arg Asp Pro	Val Leu Thr Leu Arg	Ala Phe Ala Gly Pro Leu			
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Ser Pro Ala Lys	Ala Glu Asp Phe Arg	Lys Leu Trp Lys Thr Pro			
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Pro Arg Glu Lys	Ala Gly Phe Leu His	His Val Lys Lys Ser Asp			
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Pro Glu Arg Gly	Phe Glu Arg Val Gly	Arg Glu Leu Ala His Glu			
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Leu Gly Tyr Pro	Trp Val Glu Tyr Trp	Glu Phe Leu Gly Cys Phe			
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Val Asp Leu Ser	Ser Gln Glu Gly Leu	Gln Arg Leu Glu Glu Tyr			
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Leu Thr Gln Gln	Glu Ile Gly Lys Lys	Ala Gln Gln Glu Thr Gly			
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Glu Arg Glu Ala	Ser Cys Arg Asp Lys	Ala Thr Thr Ser Gly Ser			
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Asn Ser Ile Ser	Val Arg Ala Phe Leu	Asp Glu Asp Asp Met Ser			

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Pro Pro Thr Val Gly Ala Phe Gly His Thr Arg Cys Ser Ala Phe		
605	610	615
Pro Leu Glu Gln Glu Ala Asp Leu Ile Glu Ala Ala Glu Pro Gly		
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Gly Pro His Ser Ser Arg Asn Gly Leu Cys His Pro Leu Asn His		
635	640	645
Ser Arg Thr Leu Ala Gly Lys Arg Pro Lys Ala Pro Arg Gly Glu		
650	655	660
Glu Ala His Leu Pro Pro Val Ser Asp Leu Thr Val Glu Phe Asp		
665	670	675
Lys Leu Asn Leu Gln Asn Ile Gly Arg Ser Val Ser Lys Thr Pro		
680	685	690
Asp Glu Ser Thr Lys Thr Lys Asp Gln Ile Leu Thr Ser Arg Ile		
695	700	705
Asn Ala Val Glu Arg Asp Leu Leu Glu Pro Ser Pro Ala Asp Gln		
710	715	720
Leu Gly Asn Gly His Arg Arg Thr Glu Ser Glu Met Ser Ala Arg		
725	730	735
Ile Ala Lys Met Ser Leu Ser Pro Ser Ser Pro Arg His Glu Asp		
740	745	750
Gln Leu Glu Val Thr Arg Glu Pro Ala Arg Arg Leu Phe Leu Phe		
755	760	765
Gly Glu Glu Pro Ser Lys Leu Asp Gln Asp Val Leu Ala Ala Leu		
770	775	780
Glu Cys Ala Asp Val Asp Pro His Gln Phe Pro Ala Val His Arg		
785	790	795
Trp Lys Ser Ala Val Leu Cys Tyr Ser Pro Ser Asp Arg Gln Ser		
800	805	810
Trp Pro Ser Pro Ala Val Lys Gly Arg Phe Lys Ser Gln Leu Pro		
815	820	825
Asp Leu Ser Gly Pro His Ser Tyr Ser Pro Gly Arg Asn Ser Val		
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Ala Gly Ser Asn Pro Ala Lys Pro Gly Leu Gly Ser Pro Gly Arg		
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1981	3	1999	3	1999	3	1999	3	1999	3	1999	3	1999	3	1999	3	1999	3	1999	3	1999	3	1999	3
1982	4	1999	4	1999	4	1999	4	1999	4	1999	4	1999	4	1999	4	1999	4	1999	4	1999	4	1999	4
1983	5	1999	5	1999	5	1999	5	1999	5	1999	5	1999	5	1999	5	1999	5	1999	5	1999	5	1999	5
1984	6	1999	6	1999	6	1999	6	1999	6	1999	6	1999	6	1999	6	1999	6	1999	6	1999	6	1999	6
1985	7	1999	7	1999	7	1999	7	1999	7	1999	7	1999	7	1999	7	1999	7	1999	7	1999	7	1999	7
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1987	9	1999	9	1999	9	1999	9	1999	9	1999	9	1999	9	1999	9	1999	9	1999	9	1999	9	1999	9
1988	10	1999	10	1999	10	1999	10	1999	10	1999	10	1999	10	1999	10	1999	10	1999	10	1999	10	1999	10
1989	11	1999	11	1999	11	1999	11	1999	11	1999	11	1999	11	1999	11	1999	11	1999	11	1999	11	1999	11
1990	12	1999	12	1999	12	1999	12	1999	12	1999	12	1999	12	1999	12	1999	12	1999	12	1999	12	1999	12
1991	1	1999	1	1999	1	1999	1	1999	1	1999	1	1999	1	1999	1	1999	1	1999	1	1999	1	1999	1
1992	2	1999	2	1999	2	1999	2	1999	2	1999	2	1999	2	1999	2	1999	2	1999	2	1999	2	1999	2
1993	3	1999	3	1999	3	1999	3	1999	3	1999	3	1999	3	1999	3	1999	3	1999	3	1999	3	1999	3
1994	4	1999	4	1999	4	1999	4	1999	4	1999	4	1999	4	1999	4	1999	4	1999	4	1999	4	1999	4
1995	5	1999	5	1999	5	1999	5	1999	5	1999	5	1999	5	1999	5	1999	5	1999	5	1999	5	1999	5
1996	6	1999	6	1999	6																		

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Gln	Val	Glu	Gly	Val	Phe	Tyr	Val	Asn	Asp	Ala	Leu	Glu	Lys	Leu
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Met	Phe	Glu	Glu	Leu	Arg	Asn	Ala	Cys	Arg	Gly	Gly	Gly	Val	Gly
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Val	Gln	Pro	Val	Lys	Glu	Gln	Leu	Ala	Gln	Ala	Met	Phe	Asp	His
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Lys	Asp	Leu	Glu	Glu	Ala	Leu	Glu	Met	Gly	Val	Asp	Trp	Ser	Leu
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Arg	Glu	Gly	Tyr	Ala	Trp	Ala	Glu	Asp	Lys	Glu	His	Cys	Glu	Glu
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Tyr	Ala	Ala	Lys	Lys	Met	Gly	Ile	Asp	His	Lys	Gly	Gln	Val	Cys
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Val	Met	Ile	His	Ser	Gly	Ser	Arg	Gly	Leu	Gly	His	Gln	Val	Ala
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Thr	Asp	Ala	Leu	Val	Ala	Met	Glu	Lys	Ala	Met	Lys	Arg	Asp	Lys
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Ile	Ile	Val	Asn	Asp	Arg	Gln	Leu	Ala	Cys	Ala	Arg	Ile	Ala	Ser
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Pro	Glu	Gly	Gln	Asp	Tyr	Leu	Lys	Gly	Met	Ala	Ala	Ala	Gly	Asn
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Tyr	Ala	Trp	Val	Asn	Arg	Ser	Ser	Met	Thr	Phe	Leu	Thr	Arg	Gln
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Ala	Phe	Ala	Lys	Val	Phe	Asn	Thr	Thr	Pro	Asp	Asp	Leu	Asp	Leu
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Glu	Thr	Phe	Gly	Thr	Thr	Cys	His	Gly	Ala	Gly	Arg	Ala	Leu	Ser
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Arg	Ala	Lys	Ser	Arg	Arg	Asn	Leu	Asp	Phe	Gln	Asp	Val	Leu	Asp
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Lys	Leu	Ala	Asp	Met	Gly	Ile	Ala	Ile	Arg	Val	Ala	Ser	Pro	Lys
				455					460					465
Leu	Val	Met	Glu	Glu	Ala	Pro	Glu	Ser	Tyr	Lys	Asn	Val	Thr	Asp
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Val	Val	Asn	Thr	Cys	His	Asp	Ala	Gly	Ile	Ser	Lys	Lys	Ala	Ile
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PF-0695-2 CON

<220>

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<223> Incyte Clone 1928920

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<213> Homo sapiens

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<221> misc\_feature

<223> Incyte Clone 2170846

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&lt;211&gt; 1570

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&lt;213&gt; Homo sapiens

&lt;220&gt;

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&lt;223&gt; Incyte Clone 2176361

&lt;400&gt; 28

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PF-0695-2 CON

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<211> 1868

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte Clone 2212732

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<212> DNA

<213> Homo sapiens

PF-0695-2 CON

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<223> Incyte Clone 2303457

<400> 30

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<211> 1409

<212> DNA

<213> Homo sapiens

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<221> misc\_feature

<223> Incyte Clone 2317552

<400> 31

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&lt;210&gt; 32

&lt;211&gt; 1888

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte Clone 2416366

&lt;400&gt; 32

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PF-0695-2 CON

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<213> Homo sapiens

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<221> misc\_feature

<223> Incyte Clone 2541640

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<213> Homo sapiens

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&lt;211&gt; 2110

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte Clone 2805526

&lt;400&gt; 36

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<213> Homo sapiens

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<211> 2930

<212> DNA

<213> Homo sapiens

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<221> misc\_feature

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&lt;213&gt; Homo sapiens

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&lt;223&gt; Incyte Clone 3033039

&lt;400&gt; 39

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